

TABLE OF CONTENTS

CITY OF SPOKANE STANDARD PLANS

X-### = Revised Standard Plan
 ***X-### = New Standard Plan

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
<u>SECT. A:</u>		
<u>MISCELLANEOUS</u>		
A-1	Utility Trench Backfill – Pipe Zone <i>(previously B-18C)</i>	2/17
A-2	Utility Trench Backfill – Above Pipe Zone <i>(previously B-18D)</i>	4/12
A-3	Utility Trench Backfill – Requirements using CDF <i>(previously B-18E)</i>	1/17
A-4	Sewer Utility – Location and Construction Requirements <i>(previously W-110)</i>	5/07
A-5	Water and Sewer Crossings <i>(previously W-111)</i>	1/09
A-6	Underground Utility Location for Existing Streets <i>(previously W-112)</i>	11/18
A-7	Underground Utility Location for New Developments <i>(previously W-113)</i>	11/18
A-8	Adjustment Section – Grade Rings (Risers) <i>(previously B-123)</i>	1/17
A-9	Casing / Carrier Pipe – Details <i>(previously Y-110)</i>	7/20
A-10	Cut-Off Wall <i>(previously B-19)</i>	1/17
A-11	Pipe Anchor <i>(previously B-117)</i>	6/92
A-12	Manhole Frame and Cover <i>(previously B-112)</i>	5/07
A-13	Manhole Frame and Cover – 3 Point Bolt Down <i>(previously B-112A)</i>	5/07
<u>SECT. B:</u>		
<u>STORM DRAINAGE</u>		
B-2A	Directional Vaned Grate.....	5/07
B-2B	Bi-Directional Vaned Grate.....	5/07
B-2C	Grate Guard.....	5/07
B-3A	Frame and Grate for CB – Type 1.....	4/13
B-3B	Frame and Grate for CB – Type 3.....	4/13
B-3C	Frame and Grate for Inlet – Type 3.....	4/13
B-18C	<i>See Std. Plan A-1</i>	
B-18D	<i>See Std. Plan A-2</i>	
B-18E	<i>See Std. Plan A-3</i>	
B-19	<i>See Std. Plan A-10</i>	
B-101B	Catch Basin – Type 0.....	10/19
B-101C	Catch Basin – Type 1.....	10/19
B-101D	Catch Basin – Type 2.....	10/19
B-101D1	Catch Basin – Type 2 w/ Conversion Unit for WSDOT Vaned Grates.....	5/21
B-101D2	Conversion Unit – Retro Fit for Catch Basin Type 2.....	9/10
B-101D3	Conversion Unit Notes – Including Bar List & Bending Diagram.....	9/10
B-101E	Catch Basin – Type 3.....	10/19
B-101F	Catch Basin – Type 4.....	10/19
B-102C	Drywell – Type 1.....	10/19
B-102D	Drywell – Type 2.....	10/19

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
B-102F	Bio-Infiltration Swale w/ Overflow Structure.....	4/22
B-105	Catch Basin Cover – Type 2 with Sill Block.....	7/02
B-111	Absorption Trench Detail.....	1/17
B-112	<i>See Std. Plan A-12</i>	
B-112A	<i>See Std. Plan A-13</i>	
B-113	Catch Basin Frame and Grate.....	2/90
B-114	Catch Basin Frame and Cover – Type 2	4/04
B-117	<i>See Std. Plan A-11</i>	
B-119	Grate Inlet Structure – Type 3	10/19
B-120	Outlet Trap.....	1/17
B-122	<i>See Std. Plan Z-118</i>	
B-123	<i>See Std. Plan A-8</i>	
<u>SECT D:</u>	<u>RETAINING WALLS</u>	
D-101B	Concrete Curb Wall.....	4/12
D-102	Retaining Wall Steps.....	2/86
D-103	Rock Retaining Wall	5/07
D-104	Concrete Gravity Wall.....	4/13
D-105	Concrete Retaining Wall – Details.....	4/04
D-105A	Concrete Retaining Wall Joints – Modifications for Stone Facings	2/86
D-106	Rockery Retaining Wall	8/19
<u>SECT F:</u>	<u>CURBS AND SIDEWALKS</u>	
F-101	Reinforced Doweled Curb	4/12
F-102	Concrete Sidewalk.....	4/13
F-102A	Integral Concrete Curb & Sidewalk	4/13
F-102B	Concrete Sidewalk Sections	4/13
F-102C	Concrete Sidewalk Repairs – Ramping Over Tree Roots	4/13
F-102D	Concrete Sidewalk Repairs – Diverting Around Tree Roots.....	4/13
F-103	Concrete Driveway – Adjacent Sidewalk / Type 1.....	4/13
F-103A	Concrete Driveway – Adjacent Sidewalk / Type 2.....	4/13
F-103B	Concrete Driveway – Adjacent Sidewalk / Type 3.....	4/13
F-104	Concrete Driveway – PED Buffer Strip Width \geq 5 Ft	4/13
F-104A	Concrete Driveway – PED Buffer Strip Width $<$ 5 Ft	4/13
F-104B	Concrete Driveway w/ Integrated Swale Inlet.....	4/22
F-105	Curb Ramp Type-1 (2 Sheets)	4/13
F-105A	Curb Ramp Type-2, Preferred (2 Sheets)	4/13
F-105B	Curb Ramp Type-2, Restricted ROW (2 Sheets)	4/13
F-105C	Curb Ramp Type-3, Adjacent Sidewalk (2 Sheets).....	4/13
F-105D	Curb Ramp Type-3, Separated Sidewalk (2 Sheets)	4/13
F-106	Concrete Curb and Curb / Gutter	4/12
F-106A	Concrete “V” Gutters	4/12
F-106B	Curb and Curb/Gutter @ Curb Ramps and Driveways	4/12
F-106C	Cement Concrete PED Curb	4/13
F-106D	Curb/Gutter.....	3/18

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
F-107	Tree Well Blockout for 4' x 8' Metal Grate	4/18
F-107A	Existing Sidewalk Retrofit; Options for Street Tree Installation	9/10
F-107B	Marking Irrigation Sleeves	7/14
F-108	Traffic Island	4/12
F-108A	Traffic Island Pocket and Nosing Parameters	3/94
F-109	Curb Drop Inlet	4/22
F-110	Swale Drain Pad	4/22
F-111	Vaulted Sidewalk Elimination w/ CDF Backfill	9/10

SECT G: **SIGNING AND STRIPING**

G-10	Sign Post, Type P	1/17
G-10A	Sign Post Installation, Type A	4/22
G-10B	Sign Post Installation, Type B	4/22
G-10C	Sign Post Installation, Type C	5/17
G-10D	Sign Post Installation, Type D	1/17
G-10E	Sign Post Installation, Type E	1/17
G-20A	Heights and Lateral Locations: Roadside	1/17
G-20B	Heights and Lateral Locations: Roadside - Street Name	1/17
G-21	Heights and Lateral Locations: Islands and Medians	1/12
G-22	Sign Orientation	4/13
G-30A	Sign Mounting Hardware: Round Surface	1/12
G-30B	Sign Mounting Hardware: Round Surface - Cantilever	1/12
G-31	Sign Mounting Hardware: Street Name Plated	3/14
G-40	Traffic Signs: Sheeting Specification	3/14
G-41A	Traffic Signs: Street Name – Public D3-2SA & D3-2SB Street Name & Block Number	4/15
G-41B	Traffic Signs: Street Name – Private D3-2SC & D3-2SD Street Name & Block Number	4/15
G-50A	Pavement Markings: Longitudinal Layout	11/18
G-50B	Pavement Markings: Longitudinal Layout - Dots	2/15
G-50C	Pavement Markings: Extension Lines - Dots	1/17
G-51	Pavement Markings: Crosswalk / Stop Line Layout	1/17
G-52A	Pavement Markings - Symbols: Arrows and Only Specifications (2 Sheets)	11/18
G-52B	Turn Lanes: Arrow / Only Layout	1/17
G-53	Pavement Markings – Symbols: Bicycles and Arrow Specifications	1/12
G-54	Pavement Markings – Symbols: Accessible Parking	1/12
G-59	Parking Meter Post Installation	11/18
G-60	Edge Lines: Parking Stall Lines	11/18
G-60A	Angled Parking	9/19
G-61	Edge Lines: Bicycle Markings & Signs	11/18
G-70	Turn Lanes: Two Way Left Turn	1/12
G-71	Turn Lanes: Added Lane	1/17
G-72A	Turn Lanes – Trapping: One Way Street	1/12
G-72B	Turn Lanes – Trapping: One Lane, Two Way Street	1/12
G-72C	Turn Lanes – Trapping: Two Lane, Two Way Street	1/12
G-72D	Turn Lanes – Trapping: Three Lane, Two Way Street	1/12
G-80A	Parking Stalls: Accessible, Off Street	5/22
G-90	Signing Requirements: End of Arterial	1/12
G-91	Signing Requirements: Street Name/Cardinal Direction Change	4/13

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
G-92	Signing Requirements: Dead End/ No Outlet	2/17
G-92A	End of Road Barricade	2/17
G-93	Signing Requirements: Private Roadway	3/14
G-94A	Signing Requirements: Stop/Yield Sign Removal	1/12
G-94B	Signing Requirements: Signal Removal	1/12
G-100A	Traffic Island / Median: Channelizers – Type 1	2/15
G-100B	Traffic Island / Median: Channelizers – Type 2	2/15
G-100C	Traffic Island / Median: Channelizers – Type 3	2/17
G-100D	Traffic Island / Median: Channelizers – Type 4	11/18
G-101	Traffic Island / Median Channelizer and Sign Layout	1/12
G-102	Traffic Island / Median: Gull Wing Layout	1/17
G-103	Traffic Island / Median: Traffic Circle Layout (2 Sheets)	2/17
G-110A	Deceleration / Acceleration Lanes: Initial Development	2/17
G-110B	Deceleration / Acceleration Lanes: Continued Development	2/17
<u>SECT H:</u>	<u>SURVEY MONUMENTS</u>	
H-101	Monument Frame and Cover	5/07
H-102	<i>See Std. Plan J-112E</i>	
H-103	Standard Bench Mark	5/07
H-104	Monument Frame Riser Ring	5/07
H-105	Monument Installation	9/19
<u>SECT J:</u>	<u>TRAFFIC SIGNALS & STREET LIGHTING</u>	
J-100	Traffic Symbols	11/18
J-100A	Basic 8 Phase Intersection Phasing & Equipment Layout	2/15
J-100B	Signal Head & Pedestrian Display Wiring	11/18
J-101	Signal Mountings, Post Top – Types A1, A2, F1, F2	4/04
J-101B	Signal Mountings, Post Top – Types A(3)2-F2, A(3)1-F2, A(3)1-F1, A(3)2-F1	4/15
J-101C	Signal Mountings, Post Top – Types A(5)1-A(3)1-F2, A(5)1-F2, A(5)1-A(3)1-F1, A(5)1-F1, A(3)1-A(5)1-F1	4/04
J-101D	Signal Mountings, Post Top – Types A(4)1-A(3)1-F2, A(4)1-F2, A(4)1-A(3)1-F1, A(4)1-F1	4/04
J-102	Bracket Signal Mountings – Types B(3)2-B(3)1 & P2-P1	4/15
J-102A	Bracket Signal Mountings – Types B(4,3)2	4/15
J-102B	Bracket Signal Mountings – Types B(5)1-B(3)1 & B(5)1	4/15
J-103A	Signal Mount, Mast Arm – Type D(3)	11/18
J-103B	Signal Mount, Mast Arm – Type D(4)	11/18
J-103C	Signal Mount, Mast Arm – Type D(5)	11/18
J-103D	Signal Mount, Mast Arm – Type D(3B)	2/21
J-104	Signal Pole and Foundation – Type 1	10/20
J-105	Signal Pole / Luminaire Mast Arm and Foundation – Type 4	2/21
J-105A	Signal Pole / Single Mast Arm and Foundation – Type 2	10/20
J-105B	Signal Pole / Single Mast Arm / Luminaire Arm & Foundation – Type 3	2/21
J-105C	Luminaire Pole & Foundation	2/21

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
J-105D	Pedestrian Hybrid Beacon Single Mast Arm / Luminaire Arm & Foundation – Type 3.....	2/21
J-105E	Terminal Cabinet.....	11/18
J-106	Foundation Concrete Controller Base.....	11/18
J-106A	Anchor Bolt Location Type ‘M’ Cabinet.....	3/99
J-106B	Anchor Bolt Location Type ‘P’ Cabinet.....	3/99
J-107	Vehicle Induction Loops Types 1, 2, 3, and 5.....	11/18
J-107A	Vehicle Induction Loop Wiring Types 1, 2, 3, and 5.....	11/18
J-107B	Loop Lead-In Splicing Re-Enterable Closure.....	3/99
J-107C	Microloop Probe Detector Loop Type 4.....	4/15
J-107D	Vehicle Induction Loop Labeling.....	3/15
J-108	Pedestrian Push Button Pole, Foundation, APS, & Silent Push-Button.....	9/19
J-109	Typical Cabinet Cable Routing and Cable Ties.....	11/18
J-110	Aerial Electrical Service.....	4/21
J-111	Illumination / Machine Vision Diagram – Typical.....	4/04
J-111A	Grounding Wire Diagram – Typical.....	1/08
J-111B	Illumination Diagram – Typical.....	4/04
J-112	Junction Box Details (3 Sheets).....	8/19
J-112A	Pull Box Installation.....	3/15
J-112B	Cable Vault Installation.....	3/15
J-112C	Cable Racking for Pull Box & Cable Vault Installation.....	1/12
J-112D	Maxcell Anchored In Pull Box or Cable Vault.....	11/18
J-112E	Monument Frame and Cover – Traffic (previously H-102).....	3/21
J-113	Down Guy.....	5/07
J-114	Sidewalk Back Guy.....	5/07
J-115	Aerial Splice Closure.....	5/07
J-116	Corner Deadend.....	5/07
J-117	Deadend and Underground Entrance.....	5/07
J-118	Suspension Clamp – Figure 8 System.....	5/07
J-119	Underground Electrical Service.....	3/21
J-119A	Downtown Underground Electrical Service Cabinet.....	11/18
J-119B	Downtown Typical Service Cabinet Wiring.....	11/18
J-120	Signal Pole Base Cover (If Needed).....	10/20
J-121	Combination Pre-empt Detector & Indicator Mounting Detail.....	11/18
J-200	Decorative Street Lighting Districts.....	11/18
J-201	P1A Luminaire Pole.....	8/19
J-202	P1B Luminaire Pole.....	8/19
J-203	P2B Luminaire Pole.....	8/19
J-204	P1C Luminaire Pole.....	8/19
J-205	P2C Luminaire Pole.....	8/19
J-206	S2B Luminaire Pole.....	8/19
J-207	S2C Luminaire Pole.....	8/19
J-208	Luminaire Pole Details.....	11/18
J-210	Street Lighting Location.....	11/18
J-211	“P” Series Luminaire Foundation.....	2/21
J-211A	“P” Series Luminaire Foundation Shallow.....	2/21
J-212	“S” Series Luminaire Foundation.....	2/21
J-212A	“S” Series Luminaire Foundation Shallow.....	2/21

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
J-213	Decorative Tree Lighting	8/19
J-213A	Irrigation to Pole for Vegetation	2/21
J-300	School 20 When Flashing Solar Power	11/18
J-301	Deleted Speed Sign – Solar Power	11/18
J-301A	RRFB / Speed Sign – Arial Power	11/18
J-302	Rectangular Rapid – Flashing Beacon (RRFB) Solar Power	11/21

SECT K: **TRAFFIC CONTROL**

K-119	Striping, Temporary – 2 Lanes	5/07
K-120	Striping, Temporary – 4 Lanes	5/07
K-121	Barricade, No Parking – Temporary	1/08
K-121A	No Parking Signs – Temporary	9/10

SECT V: **LANDSCAPING**

V-101	Tree Planting Details All Types, Forms, and Species	5/15
V-102	Shrub Planting Details All Types, Forms, and Species	5/15
V-103	Irrigation System Details.....	2/86
V-104	2" and Smaller Meter/Backflow Assembly for Irrigation Systems	8/19

SECT W: **ROADS AND PAVEMENT**

W-101	Roadway Crowns	1/09
W-101A	Pavement Sections	2/18
W-102	Roadway Excavation – Payment Limits	4/12
W-103	Alley Section.....	4/12
W-104	Alley Return – Adjacent Sidewalk.....	4/12
W-105	Alley Return – Separated Sidewalk.....	4/12
W-106	Gutter Details for Catch Basin Type 2	4/04
W-107	Asphalt Concrete Thickened Edge.....	2/86
W-108	Asphalt Patches.....	4/12
W-108A	Asphalt Patches with Subgrade Failure.....	4/12
W-109	Concrete Patches	4/12
W-110	<i>See Std. Plan A-4</i>	
W-111	<i>See Std. Plan A-5</i>	
W-112	<i>See Std. Plan A-6</i>	
W-113	<i>See Std. Plan A-7</i>	
W-114	Cul-de-sacs – Public Streets and Alleys.....	5/07
W-115	Cul-de-sacs – Public and Private Streets	4/21

SECT Y: **WATER**

Y-101	Hydrant Setting – Standard	7/20
Y-101A	Hydrant Setting – Offsets	7/20
Y-102	2" Air Valve for Ductile Iron Pipe	4/22
Y-103	Drywell Blow-off – Interior 4" Gate Valve.....	4/21
Y-103A	Drywell Blow-off – Exterior 4" Gate Valve	4/21

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
Y-104	Manhole Blow-off – Interior 4” Gate Valve.....	4/21
Y-105	Pumper Style Blow-off – Interior 4” Gate Valve.....	4/21
Y-105A	Pumper Style Blow-off - Exterior 4” Gate Valve	4/21
Y-108	Typical Ductile Iron Pipe Clamp for Pipe Up to 12" Dia.....	2/86
Y-109	Cast Iron Valve Box.....	4/21
Y-110	<i>See Std. Plan A-9</i>	
Y-111	Typical 1-2” Water Service	4/21
Y-112	PVC Water Meter Box – Typical Installation.....	4/21
Y-112A	Concrete Water Meter Box – Typical Installation	4/21
Y-113	48” Meter Vault.....	4/21
Y-114	48” Precast Concrete Vault	4/21
Y-115	Water Service Vault – Minimum Dimensions	7/20
Y-116	Water Meter Vault – Small.....	4/21
Y-117	Water Meter Vault – Large	4/21
Y-118	Domestic/Fire Line, 4” – 10” Service – Double Check Valve Assembly.....	4/21
Y-119	Irrigation Service with DCVA, 3” – 6”.....	4/21
Y-120	Domestic/Fire Line, 4” – 6”, 8” or 10” – Service Reduced Pressure Assembly	4/21
***Y-121	Above Ground Reduced Pressure Backflow Assembly 2” & Under	4/22

SECT Z: **SEWER**

Z-101	Manhole –48”	5/21
Z-102	Manhole –54” & 60”.....	5/21
Z-103	Manhole – 72”.....	10/19
Z-104	Manhole – 96”.....	10/19
Z-105	Manhole –48”, Shallow	10/19
Z-106	Manhole –72”, Shallow	10/19
Z-106A	Manhole –96”, Shallow	10/19
Z-107	Type V Manhole	10/19
Z-108	Manhole – Reducing Slab, Reinforcement Details.....	4/04
Z-109	Manhole Step Details	4/12
Z-110	Manhole – Interior Channel Drop	5/07
Z-111	Manhole – Interior D.I.P. Drop.....	10/19
Z-112	Manhole – Exterior D.I.P. Drop	10/19
Z-113	Manhole – Pipe Invert Elevations.....	4/04
Z-114	Sewer Cleanout	10/19
Z-115	Side Sewer – Riser Connection	2/18
Z-116	Side Sewer – Typical Connection	1/17
Z-117	Manhole Channel Detail	2/19
Z-118	CB, DW & MH Base Slab and Foundation Details (<i>previously B-122</i>).....	12/98
***Z-119	Lamphole Abandonment	3/22